

WHAT IS CLAIMED IS:

1. A structure for a telecommunication antenna, comprising:
a concealment panel, the concealment panel comprising a foam core having a low-dielectric constant expanded poly-vinyl-chloride foam sheet disposed on at least one surface of the foam core.
2. The structure of claim 1, further comprising means for mechanically interlocking together ends of the concealment panels.
3. The structure of claim 1, wherein the foam core comprises polystyrene.
4. The structure of claim 1, wherein the foam core has first and second sides, and wherein a first low-dielectric constant expanded poly-vinyl-chloride foam sheet is disposed on the first side and a second low-dielectric constant expanded poly-vinyl-chloride foam sheet is disposed on the second side.
5. The structure of claim 4, wherein the foam core forms a tongue portion along one edge of the panel, and wherein the first and second low-dielectric constant expanded poly-vinyl-chloride foam sheets form a groove portion along another edge of the panel.
6. The structure of claim 1, wherein the low-dielectric constant expanded poly-vinyl-chloride foam sheet is attached on the at least one surface of the foam core by an adhesive or a tape.
7. The structure of claim 6, wherein the adhesive comprises urethane forming a layer between the low-dielectric constant expanded poly-vinyl-chloride foam sheet and the foam core and having a thickness of approximately 3 to 10-mils.
8. The structure of claim 1, wherein the low-dielectric constant expanded poly-vinyl-chloride foam sheet has a dielectric constant equal to or less than two.

9. The structure of claim 1, wherein the low-dielectric constant expanded poly-vinyl-chloride foam sheet has a thickness of approximately 4 to 10-mm, and wherein the foam core has a thickness of approximately 2-inches.
10. A structure for a telecommunication antenna, comprising:
a plurality of concealment panels for concealing a portion of the antenna, the concealment panels at least partially composed of an expanded poly-vinyl-chloride foam having a dielectric constant equal to or less than two.
11. The structure of claim 10, further comprising means for mechanically interlocking together ends of the concealment panels.
12. The structure of claim 10, wherein the panels comprise a first sheet of expanded poly-vinyl-chloride foam.
13. The structure of claim 12, wherein the panels comprise a foam core disposed on a side of the first sheet of expanded poly-vinyl-chloride foam.
14. The structure of claim 13, wherein the foam core comprises polystyrene.
15. The structure of claim 13, wherein the panels further comprise a second sheet of expanded poly-vinyl-chloride foam disposed on side of form core opposing the first sheet.
16. The structure of claim 10, wherein the foam core is attached to the first sheet of expanded poly-vinyl-chloride foam by an adhesive or a tape.
17. The structure of claim 10, wherein the concealment panels define curved surfaces by thermoforming or vacuum forming a substantially flat sheet.

18. The structure of claim 17, wherein the panels with the curved surfaces have a smaller thickness at edges of the panels than at a center of the panels.

19. A structure for a telecommunication antenna and for a flag with a rope, the structure having a mounting spool with a flange, comprising:

- a plurality of concealment panels;
- a mounting ring connecting to the flange;
- means for mechanically connecting the concealment panels on the mounting ring;
- an adapter coupling to the mounting ring and flange and having a mounting plate, the mounting plate extending beyond the flange and defining a first opening;
- a cap coupling to the mounting plate and defining a second opening;
- a truck including a shaft and an arm, the shaft installing in the second opening of the cap and coupling to the first opening of the adapter, the arm rotatable about the shaft and having the rope for the flag connected thereto.

20. The structure of claim 19, wherein the concealment panels are at least partially composed of an expanded poly-vinyl-chloride foam having a dielectric constant equal to or less than two.

21. The structure of claim 19, wherein the adapter includes a plurality of wings coupling to the flange with fasteners and having the mounting plate extending from substantially in a center of the wings.

22. The structure of claim 19, wherein the cap includes a rim fitting over an edge of the flange and over ends of the concealment panels.

23. The structure of claim 19, wherein the cap couples to the mounting plate with a plurality of fasteners installed in holes in the cap and the mounting plate.

24. The structure of claim 19, wherein the truck includes head integrally connected to the arm and having the shaft positioned therethrough, the head having bearings for rotating about the shaft.
25. The structure of claim 19, wherein the arm of the truck includes a pulley to which the rope for the flag is connected.
26. The structure of claim 25, wherein the pulley is adjustable along a length of the arm.